Missouri Assessment Program Spring 2002

Science

Released Items
Grade 7

Confidential

A baseball player swings his bat and hits the baseball with a force of 8 newtons. How much force does the ball exert on the bat?

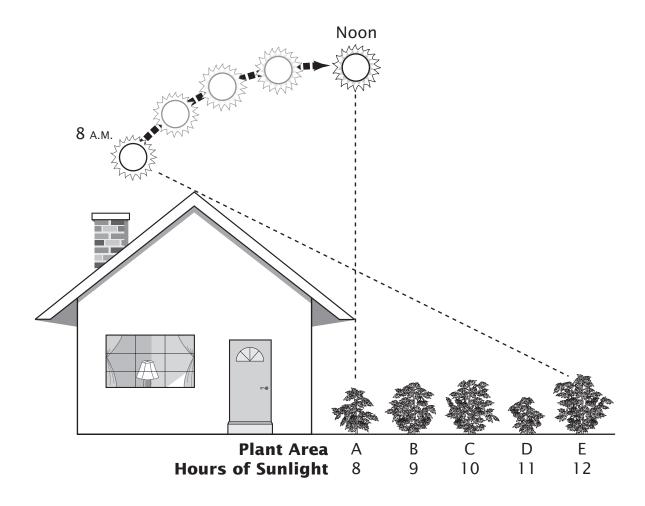
Describe two forces acting on the ball as it is flying through the air.

- 1. _____
- 2. _____

Ada's Tomatoes

Four things affect plant growth: sunlight, water, air, and soil. Ada planted tomatoes in her garden. She chose to investigate the effect of the amount of sunlight on the size of the tomatoes.

Ada planted five tomato plants at different distances from her house. The picture below shows how the shadow of the house moves across the garden from 8:00 A.M. to noon. The plants closest to the house get the fewest hours of sunlight. The plants farthest from the house get the most hours of sunlight.



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